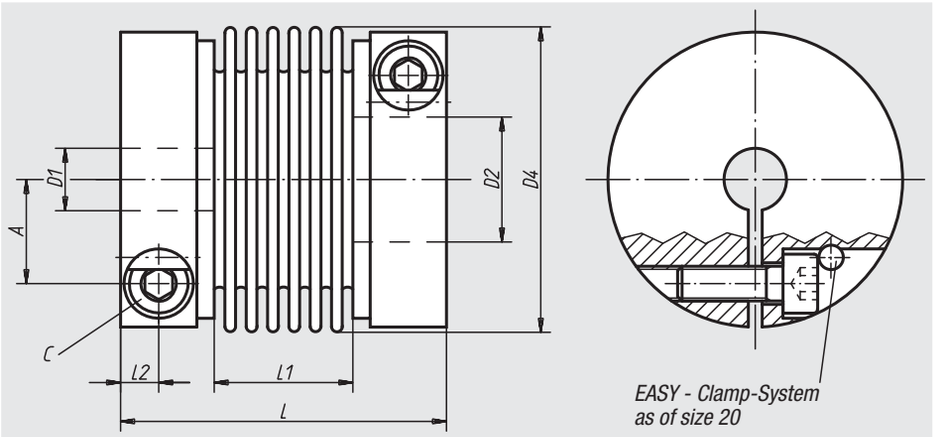
Metal bellows couplings

with radial clamping hub



Material:
Hub in aluminium, natural finish. Bellows in stainless steel

Sample order:
nlm 23000-012,
D1 = 6
D2 = 6
(The hubs are supplied predrilled).

Note:
Short assembly times and an easy installation due to the radial clamping hub. Also, if the installation space is limited. The neccessary thightening torque of the clamping screw must be noted.

Assembly:
The seat shaft / hub is to be selected as transitional seat. Admissible seat clearance shaft / hub: min. 0.01 mm; max. 0.04 mm.
E.g. shaft: Ø 28 k6
borehole: Ø 28 F6.
Boreholes which are smaller than D min. are possible; but an optimal transfer of the nominal torque of the coupling can not be guaranteed in this case.
As the metal bellows consist of thin stainless steel sheeting, special care during fitting and disassembly is neccesarry. Damages to the bellows can render the coupling useless.

On request:
Desired hub holes D1 and D2 seperately with tolerance class or tolerance zone.

Order No.	Size	Nominal torque Nm	Moment of inertia (10^{-3} kgm^2)	Torsion resistance Nm/arcmin	Max. axial shaft displacement ±	Max. lateral shaft displacement	Axial spring stiffness N/mm	Lateral spring stiffness N/mm	Tightening torque of screws (Nm)
23000-001	1	1	0,0004	0,09	0,3	0,2	21	26	1
23000-004	4	4	0,003	0,46	0,4	0,2	35	65	2
23000-007	7	7	0,014	1,1	0,6	0,25	45	60	4
23000-012	12	12	0,03	2,05	0,7	0,25	40	70	7
23000-020	20	20	0,14	5,2	0,8	0,25	51	190	14
23000-060	60	60	0,29	8,7	0,9	0,3	49	260	35
23000-170	170	170	0,83	17,5	1	0,3	80	470	65
23000-400	400	400	2,42	47,1	1	0,3	100	640	115
23000-600	600	600	4,7	66,9	1	0,3	100	980	200

Order No.	D1/D2 predrilled	D1/D2 min.	D1/D2 max.	D4	A	C (DIN 912-10.9)	L	L1	L2	Approx. weight g
23000-001	3	3	6	16,5	4,6	M2,5	31,5	13,5	3,3	12
23000-004	4	5	10	24,5	7,5	M3	43,5	17,5	4,4	40
23000-007	5	6	17	34	11	M4	57	29	5	70
23000-012	5	6	19	39,5	13	M5	62	29	6	140
23000-020	7	9	30	56	19	M6	70	30	7,5	300
23000-060	12	18	34	66	22	M8	77	33	8,5	500
23000-170	15	22	43	82	28,5	M10	92	40	10,5	800
23000-400	24	34	55	101	35	M12	106	48	12	1500
23000-600	31	35	70	122	43,5	M14	116	52	13,5	2200